

8. The plant support structure of claim 1 wherein each of said flanges on each of said legs further comprises a hole therethrough for coupling said flanges to at least one of said plurality of upright members.

9. The plant support structure of claim 1 wherein said pair of opposed adjustable flanges define a first angle and a second angle, respectively, with respect to said elongate body, and wherein said first and second angles are equal to each other.

10.  
11. The plant support structure of claim 1 wherein each of said flanges further comprises a hinge connecting said flange to said elongate body.

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1.126  
11.  
12. The plant support structure of claim 1 further comprising a plurality of flange end caps, each flange end cap having a first end coupled to said elongate body and a second end including a hinge coupled to said flange.

12.  
13. The plant support structure of claim 1 wherein said plurality of legs are arranged to form one or more support members substantially horizontal with respect to the surface.

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14. The plant support structure of claim 1 wherein said plurality of legs are made from a metal tubing.

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The plant support structure of claim 1 wherein said polygonal shape is selected from the group consisting of a triangle, square, pentagon, hexagon and octagon.

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A plant support matrix comprising a plurality of plant supports of claim 1.

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The plant support matrix of claim <sup>15</sup>~~16~~ wherein said plurality of plant supports are arranged in abutting relation to form said matrix.

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The plant support matrix of claim <sup>16</sup>~~17~~ wherein said matrix comprises at least two plant supports having different polygonal shapes.

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The plant support matrix of claim <sup>15</sup>~~18~~ wherein said plurality of plant supports are interconnected to form a unitary plant support matrix.

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The plant support matrix of claim <sup>18</sup>~~19~~ wherein said matrix comprises at least two plant supports having different polygonal shapes.

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The plant support structure of claim 1 wherein said plurality of upright members are angled with respect to the surface to define a plant support area that is

decreasing in an upward vertical direction, and wherein said plurality of upright members do not directly contact each other so as to define an open plant support area at a top end of said

5 plant support.

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A plant support matrix engaging a generally planar surface comprising:

a plurality of upright members each having a top and bottom portion, said bottom portion engaging the surface and said plurality of upright members arranged so as to form a plurality of interconnected polygonal shapes with each of said plurality of upright members defining a corner of said plurality of interconnected polygonal shapes; and

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a plurality of individualized legs interconnecting said plurality of upright members and each leg having an elongate body terminating in a pair of opposed adjustable flanges removably coupled to said upright members to form a self-supporting structure.

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The plant support matrix of claim 22/<sup>21</sup> wherein each of said plurality of upright members is angled at approximately 90 degrees with respect to the surface.

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The plant support matrix of claim 22/<sup>21</sup> wherein each of said plurality of upright members is angled at no less than 45 degrees with respect to the surface.

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The plant support matrix of claim 22/<sup>21</sup> wherein each of said upright members further comprise a plurality of holes therethrough, said holes vertically spaced along said upright members for coupling said flanges to said upright members.

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The plant support matrix of claim 22/<sup>21</sup> wherein each of said plurality of upright members is made from at least one of a wood, plastic and metal.

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The plant support matrix of claim 22/<sup>21</sup> wherein each of said plurality of upright members is square in cross section.

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The plant support matrix of claim 22/<sup>21</sup> wherein said bottom portion of each of said plurality of upright members is pointed.

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The plant support matrix of claim 22 wherein each of said flanges on each of said legs further comprises a hole therethrough for coupling said flanges to at least one of said plurality of upright members.

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The plant support matrix of claim 22 wherein said pair of opposed adjustable flanges define a first angle and a second angle, respectively, with respect to said elongate body, and wherein said first and second angles are equal to each other.

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The plant support matrix of claim 22 wherein each of said flanges further comprises a hinge connecting said flange to said elongate body.

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The plant support matrix of claim 22 further comprising a plurality of flange end caps, each flange end cap having a first end coupled to said elongate body and a second end including a hinge coupled to said flange.

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The plant support matrix of claim 22 wherein said plurality of legs are arranged to form one or more support members substantially horizontal with respect to the surface.

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The plant support matrix of claim 22 wherein said plurality of legs are made from a metal tubing.

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The plant support matrix of claim ~~22~~ wherein each of said interconnected polygonal shapes is selected from the group consisting of a triangle, square, pentagon, hexagon and octagon.

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The plant support matrix of claim ~~22~~ wherein said matrix comprises at least two plant supports having different polygonal shapes.

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A plant support kit for assembling a plant support structure comprising:

a plurality of upright members each having a top and bottom portion, said bottom portion for engaging a generally planar surface; and

5 a plurality of individualized legs for interconnecting said plurality of upright members and each leg having an elongate body terminating in a pair of opposed adjustable flanges adapted to removably couple to said upright members to thereby form a self-supporting structure.



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The plant support kit of claim ~~37~~<sup>36</sup> wherein each of said upright members further comprises a plurality of holes therethrough, said holes vertically spaced along said upright members for coupling said flanges to said upright members.

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The plant support kit of claim ~~37~~<sup>36</sup> wherein each of said plurality of upright members is made from at least one of a wood, plastic and metal.

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The plant support kit of claim ~~37~~<sup>36</sup> wherein each of said plurality of upright members is square in cross section.

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The plant support kit of claim ~~37~~<sup>36</sup> wherein said bottom portion of each of said plurality of upright members is pointed.

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The plant support kit of claim ~~37~~<sup>36</sup> wherein each of said flanges on each of said legs further comprises a hole therethrough for coupling said flanges to at least one of said plurality of upright members.

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The plant support kit of claim ~~37~~<sup>36</sup> wherein each of said flanges further comprises a hinge connecting said flange to said elongate body.

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<sup>36</sup>  
The plant support kit of claim ~~37~~ further comprising a plurality of flange end caps, each flange end cap having a first end adapted to couple to said elongate body and a second end including a hinge adapted to couple to said flange.

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<sup>36</sup>  
The plant support kit of claim ~~37~~ wherein said plurality of legs are made from a metal tubing.